



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CALIBRATION LABORATORY
A Nationally Accredited Laboratory

737 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

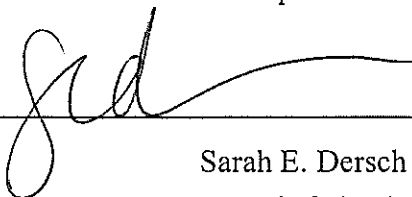
INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010369
CERTIFICATION DATE: November 19, 2014
DATE RECERTIFICATION DUE: May 18, 2015

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L	0.150 ± 0.007 g/210 L
0.080 ± 0.004 g/210 L	0.250 ± 0.007 g/210 L

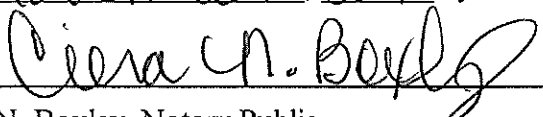
The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.



Sarah E. Dersch
Forensic Scientist

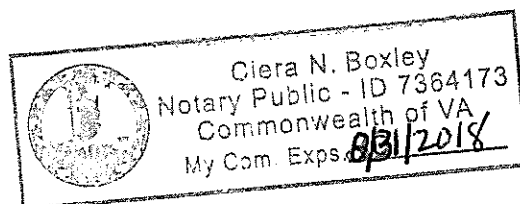
CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 20th day of November, 2014 by Sarah E. Dersch



Ciera N. Boxley, Notary Public

My commission expires: August 31, 2018



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
11/19/2013 To 11/19/2014

DBH
SED

Instrument Serial Number: 010369 As of 19-Nov-14

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
19-Nov-14	19-Nov-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
29-Aug-14	11-Jun-14	MMB (26417)	REPLACED UPS BACK-UP BATTERY. REPLACED DRY GAS STANDARD.
11-Jun-14	11-Jun-14	MMB (26417)	CERTIFIED. REPLACED DRY GAS STANDARD.
30-Dec-13	30-Dec-13	SED (24178)	CERTIFIED. REPLACED DRY GAS STANDARD.

JBH

gnd

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010369 Worksheet Start Date 11/19/2014
Location Fort Lee
Address 1900 Mahone Ave Fort Lee VA 23801
DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 763 Reference Barometer (mm HG) 765
Reference Barometer(RB)Serial # 009109 RB Calibration Due 7/28/2015

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	Sample 2	Sample 3
0.300	0.301	0.291	0.310	0.300	0.300	0.299
Precision		sample min	sample max			
0.001		0.299	0.300			

Standard (sea level)	PA Target	minimum	maximum	Sample 1	Sample 2	Sample 3
0.100	0.100	0.097	0.103	0.098	0.098	0.098
Precision		sample min	sample max			
0		0.098	0.098			

Dry gas standard Lot No. (with tank no.) AG316301-09

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:



Notes:

Instrument Serial Number

010369

Certification Date

11/19/2014

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.250
0.250	0.251	0.243	0.258	Sample 2	0.249
Precision		sample min	sample max	Sample 3	0.248
0.002		0.248	0.250		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.150
0.150	0.151	0.146	0.155	Sample 2	0.150
Precision		sample min	sample max	Sample 3	0.150
0		0.150	0.150		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.079
0.080	0.080	0.077	0.083	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0		0.079	0.079		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician

Donald B Hall

Date

11/19/14

Issuing Analyst

gael
jpd

Date

11/20/14

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010369 Test Number: 575
Test Date: 11/19/2014 Test Time: 13:48 EST

Technician Initials: DBH

Dry Gas Target: 0.251

Lot Number: 0771325014-01 Exp Date: 05/01/2015

Tank Pressure: 281 psi Barometric Pressure: 763 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:49
BLK	0.000	13:50
CHK	0.250	13:50
BLK	0.000	13:52
CHK	0.249	13:53
BLK	0.000	13:54
CHK	0.248	13:55
BLK	0.000	13:57

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010369 Test Number: 576

Test Date: 11/19/2014 Test Time: 13:59 EST

Technician Initials: DBH

Dry Gas Target: 0.151

Lot Number: 0771315013-02 Exp Date: 05/01/2015

Tank Pressure: 610 psi Barometric Pressure: 763 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:59
BLK	0.000	14:00
CHK	0.150	14:01
BLK	0.000	14:03
CHK	0.150	14:03
BLK	0.000	14:05
CHK	0.150	14:06
BLK	0.000	14:07

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010369 Test Number: 577
Test Date: 11/19/2014 Test Time: 14:09 EST

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 34413080I2-02 Exp Date: 01/01/2016

Tank Pressure: 311 psi Barometric Pressure: 762 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:10
BLK	0.000	14:11
CHK	0.079	14:11
BLK	0.000	14:13
CHK	0.079	14:13
BLK	0.000	14:15
CHK	0.079	14:16
BLK	0.000	14:17

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010369 Test Number: 578
Test Date: 11/19/2014 Test Time: 14:19 EST

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-03 Exp Date: 05/01/2015

Tank Pressure: 502 psi Barometric Pressure: 762 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:19
BLK	0.000	14:20
CHK	0.019	14:21
BLK	0.000	14:23
CHK	0.019	14:23
BLK	0.000	14:25
CHK	0.019	14:26
BLK	0.000	14:27

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010369 Test Number: 579

Test Date: 11/19/2014 Test Time: 14:30 EST

Dry Gas Target: 0.301

Lot Number: AG421201-03 Exp Date: 07/31/2016

Tank Pressure: 174 psi Barometric Pressure: 762 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	14:30
CHK	0.300	14:31
BLK	0.000	14:33
CHK	0.300	14:34
BLK	0.000	14:35
CHK	0.299	14:36

Test Status: Success

Calibration CRC: FA87A9B8

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010369 Test Number: 580

Test Date: 11/19/2014 Test Time: 14:39 EST

Dry Gas Target: 0.100

Lot Number: AG316301-09 Exp Date: 06/12/2015

Tank Pressure: 340 psi Barometric Pressure: 762 mmHg

System Check: Passed

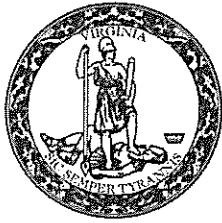
Test	g/210L	Time
BLK	0.000	14:40
CHK	0.098	14:41
BLK	0.000	14:43
CHK	0.098	14:43
BLK	0.000	14:45
CHK	0.098	14:46

Test Status: Success

Calibration CRC: FA87A9B8

DH
rd

DBH
Jed




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 11/19/2014
TEST EQUIPMENT NUMBER 010369		

14:55 EST

RESULTS: TIME SAMPLE TAKEN _____
0.00

SAMPLE'S ALCOHOL CONTENT _____ GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 19 Nov 2014 at 15:01

Handwritten initials: JED, DBA

Test Results

Instrument Serial Number 010369

Test # 000581 Subject Test

Test Location 1 Department of

Test Date 19 Nov 2014

Test Location 2 Forensic Science

Test Time 14:48

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name HALL

Agency DFS Central Lab

Card Serial Number 121250

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name DONALD

Effective Date 10/01/2014

Subject's Date of Birth 00/00/0000

Driver's License Expiration 00/00/0000

Court Name DFS

Operator's Middle Initial B

License Number 21250

Expiration Date 10/01/2016

Subject's First Name TEST

Subject's Sex Male

End Date 19 Nov 2014

End Time 14:56

Result Time 14:55

Result Date 19 Nov 2014

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:49

Data Type BLK

Sample Value 0.000

Sample Time 14:50

Data Type CHK

Sample Value 0.098

Sample Time 14:50

Data Type BLK

Sample Value 0.000

Sample Time 14:52

Data Type SUBJ

Sample Value 0.000

Sample Time 14:53

Data Type BLK

Sample Value 0.000

Sample Time 14:54

Data Type SUBJ

Sample Value 0.000

Sample Time 14:55

Data Type BLK

Sample Value 0.000

Sample Time 14:56

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG316301-09

Standard Expiration Date 06/12/2015

Tank Pressure 330

Barometric Pressure 762 mmHg

Blow Sample Number 1 Blow Duration 3.25 sec

Blow Volume 1826 cc End-of-Blow Time 14:53

Blow Sample Number 2 Blow Duration 3.23 sec

Blow Volume 1690 cc End-of-Blow Time 14:55

Tamper Evident Stamp cd000429

Test Status Code 0

Test Status Success